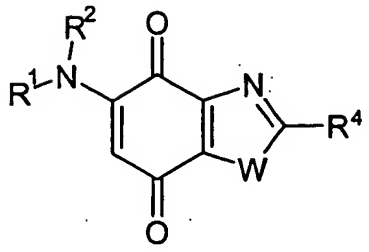
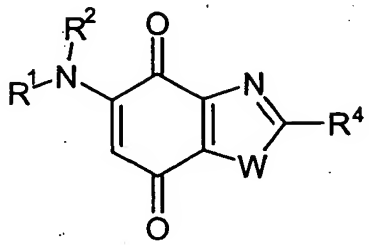
In the Claims:

Claim 1 (currently amended) A process for the preparation of a compound of the ~~general~~ formula ~~(III)$_1$~~



(III)$_1$

or of a compound of the ~~general~~ formula ~~(III)$_2$~~



(III)$_2$

~~in which~~:

wherein W ~~represents a~~ is ~~sulphur~~ sulfur ~~atom in general~~ in formula (III)$_1$ and ~~an~~ oxygen ~~atom in general~~ in formula (III)$_2$,

R^1 ~~represents a~~ is selected from the group consisting of hydrogen, ~~atom or an~~ alkyl, alkoxyalkyl, cycloalkyl, -(CH_2)-X-Y, -(CH_2)-Z-NR^5R^6 ~~radical or a~~ and ~~–~~$CHR^{35}R^{36}$ ~~radical~~ in which R^{35} and R^{36} form together with the carbon atom which carries them ~~an~~ indanyl or tetralinyl ~~radical~~, or ~~also~~ R^{35} and R^{36} form together with the carbon atom which carries them a saturated heterocycle ~~containing~~ of 5 to 7 ring members and 1 to 2 heteroatoms ~~chosen from~~

selected from the group consisting of O, N and S, the nitrogen atoms of said heterocycle being optionally substituted by ~~radicals chosen from the~~ alkyl ~~radicals and the~~ or benzyl ~~radical~~,

R^1 also being able, when W ~~represents~~ is O, to ~~represent moreover a~~ be carbocyclic aryl ~~radical~~ optionally substituted 1 to 3 times by substituents ~~chosen~~ independently ~~from a~~ selected from the group consisting of halogen, ~~atom and an~~ alkyl, haloalkyl ~~or~~ and alkoxy ~~radical~~,

X ~~representing~~ is a saturated carbon-containing cyclic system ~~containing~~ of 1 to 3 condensed rings ~~chosen~~ selected independently from rings with 3 to 7 ring members, or Y ~~representing a~~ is saturated heterocycle containing 1 to 2 heteroatoms ~~chosen~~ independently ~~from~~ selected from the group consisting of O, N and S and attached to ~~the~~ X ~~radical~~ by an N or CH member, said saturated heterocycle containing moreover 2 to 6 additional members ~~chosen~~ independently selected from the group consisting of ~~from~~ –CHR^7-, -CO-, -NR^8-, -O- and –S-, R^7 ~~representing a~~ is hydrogen ~~atom~~ or ~~an~~ alkyl ~~radical~~ and R^8 ~~representing a~~ is selected from the group consisting of hydrogen ~~atom or an~~ alkyl ~~or~~ and aralkyl ~~radical~~, or ~~also~~ Y ~~representing a~~ is carbocyclic or heterocyclic aryl ~~radical~~ optionally substituted 1 to 3 times by substituents ~~chosen~~ independently ~~from the group constituted by a~~ selected from the group consisting of halogen ~~atom~~, ~~an~~ alkyl ~~radical~~, ~~a~~ halaoalkyl ~~radical~~, ~~an~~ alkoxy ~~radical~~, ~~a~~ haloalkoxy ~~radical~~, ~~a~~ hydroxy ~~radical~~, ~~a~~ nitro ~~radical~~, ~~a~~ cyano ~~radical~~, ~~the~~ phenyl ~~radical~~, ~~an~~ SO_2NHR^9 ~~radical and an~~ and –$NR^{10}R^{11}$ ~~radical~~, R^9 ~~representing a~~ is selected from the group consisting of hydrogen, ~~atom or an~~ alkyl ~~or~~ and phenyl ~~radical~~, and R^{10} and R^{11} are independently ~~representing~~ alkyl ~~radicals~~,

Z ~~representing~~ is a bond or ~~a linear or branched~~ alkylene ~~radical containing~~ of 1 to 5 carbon atoms,

R^5 and R^6 ~~being chosen~~ are independently selected from the group consisting of ~~from a~~ hydrogen ~~atom~~, ~~an~~ alkyl, aralkyl ~~or~~ and –$(CH_2)_n$-OH ~~radical~~ in which n ~~represents~~ is an integer from 1 to 6,

or R^5 ~~representing an~~ is selected from the group consisting of alkoxycarbonyl, haloalkoxycarbonyl ~~or~~ and aralkoxycarbonyl ~~radical~~ and R^6 ~~representing a~~ is hydrogen ~~atom~~ or ~~a~~ methyl ~~radical~~,

or ~~also~~ R^5 and R^6 ~~forming~~ form together with the nitrogen atom a heterocycle with 4 to 7 ring members comprising 1 to 2 heteroatoms, the members necessary to complete the heterocycle being ~~chosen~~ independently selected from the group consisting of ~~from the~~ $-CR^{12}R^{13}-$, -O-, -S- and $-NR^{14}-$ ~~radicals~~, R^{12} and R^{13} independently ~~representing~~ are each time that they occur ~~a~~ hydrogen ~~atom~~ or ~~an~~ alkyl ~~radical~~, and R^{14} ~~representing a~~ is selected from the group consisting of hydrogen, ~~atom or an~~ alkyl ~~or~~ and aralkyl ~~radical~~, or ~~also~~ R^{14} ~~representing a~~ is phenyl ~~radical~~ optionally substituted 1 to 3 times by substituents ~~chosen~~ independently selected from the group consisting of ~~from a~~ halogen, ~~atom and an~~ alkyl and alkoxy ~~radical~~,

R^2 ~~representing a~~ is selected from the group consisting of hydrogen, ~~atom or an~~ alkyl ~~or~~ and aralkyl ~~radical~~;

or ~~also~~ R^1 and R^2 ~~forming~~ form together with the nitrogen atom a heterocycle with 4 to 8 ring members comprising 1 to 2 heteroatoms, the members necessary to complete the heterocycle being ~~chosen~~ independently selected from the group consisting of ~~from the~~ $-CR^{15}R^{16}-$, -O-, -S- and $-NR^{17}-$ ~~radicals~~, R^{15} and R^{16} independently ~~representing~~ are each time that they occur ~~a~~ hydrogen ~~atom~~ or ~~an~~ alkyl ~~radical~~, and R^{17} ~~representing a~~ is selected from the group consisting of hydrogen, ~~atom~~ or ~~an~~ alkyl ~~radical~~; and

R^4 ~~represents an~~ is selected from the group consisting of alkyl, cycloalkyl, cycloalkyl, cycloalkylalkyl, cyano, amino, $-CH_2-COOR^{18}$, $-CH_2-CO-NR^{19}R^{20}$ ~~or~~ and $-CH_2-NR^{21}R^{22}$ ~~radical~~, or R^4 ~~represents a~~ is carbocyclic or heterocyclic aryl ~~radical~~ optionally substituted 1 to 4 times ~~by~~ substituents ~~chosen~~ independently selected from the group consisting of ~~from a~~ halogen, ~~atom and an~~ alkyl, haloalkyl, alkoxy, haloalkoxy ~~or~~ and $-NR^{37}R^{38}$ ~~radical~~, or ~~also~~ R^4

~~representing a~~ is phenyl ~~radical~~ possessing two substituents which form together ~~a~~ methylenedioxy or ethylenedioxy ~~radical~~,

R^{18} ~~representing a~~ is hydrogen ~~atom~~ or ~~an~~ alkyl ~~radical~~,

R^{19} ~~representing a~~ is selected from the group consisting of hydrogen, ~~atom~~, ~~an~~ alkyl ~~radical or an~~ aralkyl, and ~~radical~~ the aryl group of which is optionally substituted 1 to 3 times by substituents ~~chosen~~ independently ~~from the group constituted by a~~ selected from the group consisting of halogen ~~atom~~, ~~an~~ alkyl ~~radical~~, ~~a~~ haloalkyl ~~radical~~, ~~an~~ alkoxy ~~radical~~, ~~a~~ haloalkoxy ~~radical~~, ~~a~~ hydroxy ~~radical~~, ~~a~~ nitro ~~radical~~, ~~a~~ cyano ~~radical~~, ~~the~~ phenyl ~~radical~~, ~~an~~ - SO_2NHR^{23} ~~radical~~ and ~~an~~ -$NR^{24}R^{25}$ ~~radical~~, R^{23} ~~representing a~~ is selected from the group consisting of hydrogen, ~~atom or an~~ alkyl ~~or~~ and phenyl ~~radical~~, and R^{24} and R^{25} independently ~~representing~~ are alkyl ~~radicals~~,

R^{20} ~~representing a~~ is hydrogen ~~atom~~ or ~~an~~ alkyl ~~radical~~,

or ~~also~~ R^{19} and R^{20} ~~forming~~ form together with the nitrogen atom a heterocycle with 4 to 7 ring members comprising 1 to 2 heteroatoms, the members necessary to complete the heterocycle being ~~chosen~~ independently selected from the group consisting of ~~from the~~ -$CR^{26}R^{27}$-, -O-, -S- and -NR^{28}- ~~radicals~~, R^{26} and R^{27} independently ~~representing~~ are each time that they occur ~~a~~ hydrogen ~~atom~~ or ~~an~~ alkyl ~~radical~~, and R^{28} ~~representing a~~ is selected from the group consisting of hydrogen, ~~atom or an~~ alkyl ~~or~~ and aralkyl ~~radical~~, or ~~also~~ R^{28} ~~representing a~~ is phenyl ~~radical~~ optionally substituted 1 to 3 times by substituents ~~chosen~~ independently selected from the group consisting of ~~from a~~ halogen, ~~atom and an~~ alkyl ~~or~~ and alkoxy ~~radical~~,

R^{21} ~~representing a~~ is selected from the group consisting of hydrogen, ~~atom~~, ~~an~~ alkyl and ~~radical or an~~ aralkyl, ~~radical~~ the aryl group of which is optionally substituted 1 to 3 times by substituents ~~chosen~~ independently ~~from the group constituted by a~~ selected from the group consisting of halogen ~~atom~~, ~~an~~ alkyl ~~radical~~, ~~a~~ haloalkyl ~~radical~~, ~~an~~ alkoxy ~~radical~~, ~~a~~ haloalkoxy ~~radical~~, ~~a~~ hydroxy ~~radical~~, ~~a~~ nitro ~~radical~~, ~~a~~ cyano ~~radical~~, ~~the~~ phenyl ~~radical~~, ~~an~~ -SO_2NHR^{29}

~~radical~~ and ~~an~~ -$NR^{30}R^{31}$ ~~radical~~, R^{29} ~~representing a~~ is selected from the group consisting of hydrogen, ~~atom or an~~ alkyl ~~or~~ and phenyl ~~radical~~, and R^{30} and R^{31} independently ~~representing~~ are alkyl ~~radicals~~,

R^{22} ~~representing a~~ is hydrogen ~~atom~~ or ~~an~~ alkyl ~~radical~~,

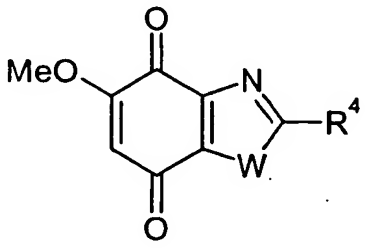
or ~~also~~ R^{21} and R^{22} ~~forming~~ form together with the nitrogen atom a heterocycle with 4 to 7 ring members comprising 1 to 2 heteroatoms, the members necessary to complete the heterocycle being ~~chosen~~ independently selected from the group consisting of ~~from the~~ -$CR^{32}R^{33}$-, -O-, -S- and -NR^{34}- ~~radicals~~, R^{32} and R^{33} independently ~~representing~~ are each time that they occur ~~a~~ hydrogen ~~atom~~ or ~~an~~ alkyl ~~radical~~, and R^{34} ~~representing a~~ is selected from the group consisting of hydrogen, ~~atom~~, ~~an~~ alkyl ~~or~~ and aralkyl ~~radical~~, or ~~also~~ R^{34} ~~representing a~~ is phenyl ~~radical~~ optionally substituted 1 to 3 times by substituents ~~chosen~~ independently selected from the group consisting of ~~from a~~ halogen, ~~atom and an~~ alkyl ~~or~~ and alkoxy ~~radical~~,

R^{37} and R^{38} being ~~chosen~~ independently from ~~a~~ hydrogen ~~atom~~, ~~atom and an~~ or alkyl ~~radical~~ or R^{37} and R^{38} ~~forming~~ form together with the nitrogen atom a heterocycle with 4 to 7 ring members comprising 1 to 2 heteroatoms, the members necessary to complete the heterocycle being ~~chosen~~ independently selected from the group consisting of ~~from the~~ -$CR^{39}R^{40}$-, -O-, -S- and -NR^{41}- ~~radicals~~, R^{39} and R^{40} independently ~~representing~~ are each time that they occur ~~a~~ hydrogen ~~atom~~ or ~~an~~ alkyl ~~radical~~, and R^{41} ~~representing a~~ is hydrogen ~~atom~~ or ~~an~~ alkyl ~~radical~~, or ~~also~~ R^4 ~~represents a~~ is $-CH_2$-Ar ~~radical~~ in which Ar ~~represents an~~ aryl ~~radical~~ optionally substituted 1 to 4 times ~~(and in particular 1 to 3 times)~~ by substituents ~~chosen~~ independently selected from the group consisting of ~~from a~~ halogen, ~~atom and an~~ alkyl, haloalkyl, alkoxy, haloalkoxy ~~or~~ and -$NR^{42}R^{43}$ ~~radical~~, or ~~also~~ R^4 ~~represents a~~ is biphenyl ~~radical~~,

R^{42} and R^{43} being ~~chosen~~ independently from ~~a~~ hydrogen ~~atom~~, ~~atom and an~~ or alkyl ~~radical~~ or R^{42} and R^{43} ~~forming~~ form together with the nitrogen atom a heterocycle with 4 to 7 ring members comprising 1 to 2 heteroatoms, the members necessary to complete the heterocycle

being ~~chosen~~ independently selected from the group consisting of ~~from the~~ $-CR^{44}R^{45}-$, -O-, -S- and $-NR^{46}-$ ~~radicals~~, R^{44} and R^{45} independently ~~representing~~ are each time that they occur ~~a~~ hydrogen ~~atom~~ or ~~an~~ alkyl ~~radical~~, and R^{46} ~~representing a~~ is hydrogen ~~atom~~ or ~~an~~ alkyl ~~radical~~;

said process ~~being characterized in that the~~ comprising reacting a compound of ~~general~~ the formula ~~(A)~~



(A)

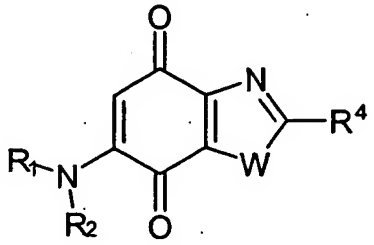
~~in which~~ wherein W ~~represents a~~ is ~~sulphur atom~~ sulfur or ~~an~~ oxygen ~~atom~~ and R^4 has the same meaning as in ~~general~~ formula $(III)_1$ or $(III)_2$ ~~is reacted~~ with an amine of ~~general~~ the formula R^1R^2NH in a protic solvent.

Claim 2 (currently amended) The process ~~according to~~ of claim 1, ~~characterized in that the compound of general formula $(III)_1$ or $(III)_2$ is such that;~~ wherein

- R^1 ~~represents a~~ is $-(CH_2)-Z-NR^5R^6$ ~~radical~~;
- R^2 ~~represents a~~ is hydrogen ~~atom~~; and
- R^4 ~~represents an~~ is selected from the group consisting of alkyl, ~~radical or also a~~ phenyl, pyridyl, thienyl ~~or~~ and furanyl ~~radical~~ optionally substituted by 1 to 4 ~~(preferably 1 to 3)~~ halogen ~~atoms~~ or ~~by an~~ $NR^{37}R^{38}$ ~~radical~~, or ~~also~~ R^4 ~~represents a~~ is $-CH_2$-Ar ~~radical~~ in which Ar ~~represents a~~ is phenyl or naphthyl ~~radical~~ optionally substituted 1 to 4 times ~~(and preferably~~

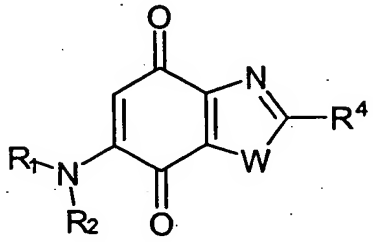
~~1 to 3 times)~~ by substituents ~~chosen~~ independently selected from the group consisting of ~~from a~~ halogen, ~~atom and an~~ alkyl, haloalkyl, alkoxy ~~or~~ and haloalkoxy ~~radical~~.

Claim 3 (currently amended) The process for the preparation of a compound of the ~~general~~ formula ~~(III)~~$_3$



(III)$_3$

or of a compound of the ~~general~~ formula ~~(III)~~$_4$



(III)$_4$

~~in which~~: wherein:

W ~~represents a~~ is ~~sulphur atom in general~~ sulfur in formula (III)$_3$ and ~~an~~ oxygen ~~atom~~ in ~~general~~ formula (III)$_4$,

R^1 ~~represents a~~ is selected from the group consisting of hydrogen, ~~atom or an~~ alkyl, alkoxyalkyl, alkylthioalkyl, cycloalkyl, -(CH_2)-X-Y, -(CH_2)-Z-NR^5R^6 ~~radical~~ and -$CHR^{35}R^{36}$ ~~radical~~ in which R^{35} and R^{36} form together with the carbon atom which carries them

~~an~~ indanyl or tetralinyl ~~radical~~, or ~~also~~ R^{35} and R^{36} form together with the carbon atom which carries them a saturated heterocycle containing 5 to 7 ring members and 1 to 2 heteroatoms ~~chosen from~~ selected from the group consisting of O, N and S, the nitrogen atoms of said heterocycle being optionally susbstituted by ~~radicals chosen from the~~ alkyl ~~radicals and the~~ or benzyl ~~radical~~,

R^1 ~~also~~ being able, when W ~~represents~~ is O, to ~~represent moreover a~~ be carbocyclic aryl ~~radical~~ optionally substituted 1 to 3 time by substituents ~~chosen~~ independently ~~from a~~ halogen, ~~atom and an~~ alkyl, haloalkyl ~~or~~ and alkoxy ~~radical~~,

X ~~representing~~ is a saturated carbon-containing cyclic system containing 1 to 3 condensed rings ~~chosen~~ independently selected from rings with 3 to 7 members, or Y ~~representing~~ is a saturated heterocycle containing 1 to 2 heteroatoms ~~chosen~~ independently selected from the group consisting of ~~from~~ O, N and S and attached to ~~the~~ X ~~radical~~ by ~~an~~ N or -CH member, said saturated heterocycle containing ~~moreover~~ 2 to 6 additional members ~~chosen~~ independently selected from the group consisting of ~~from~~ $-CHR^7-$, -CO-, $-NR^8-$, -O- and -S-, R^7 ~~representing a~~ is hydrogen ~~atom~~ or ~~an~~ alkyl ~~radical~~ and R^8 ~~representing a~~ is hydrogen ~~atom~~ or ~~an~~ alkyl or aralkyl ~~radical~~, or ~~also~~ Y ~~representing a~~ is carbocyclic or heterocyclic aryl ~~radical~~ optionally substituted 1 to 3 times by substituents ~~chosen~~ independently selected from the group consisting of ~~from the group constituted by a~~ halogen ~~atom~~, ~~an~~ alkyl ~~radical~~, a haloalkyl ~~radical~~, ~~an~~ alkoxy ~~radical~~, a haloalkoxy ~~radical~~, a hydroxy ~~radical~~, a nitro ~~radical~~, a cyano ~~radical~~, ~~the~~ phenyl ~~radical~~, ~~an~~ $-SO_2NHR^9$ ~~radical~~ and ~~an~~ $-NR^{10}R^{11}$ ~~radical~~, R^9 ~~representing a~~ is selected from the group consisting of hydrogen, ~~atom or an~~ alkyl ~~or~~ and phenyl ~~radical~~ and R^{10} and R^{11} independently ~~representing~~ are alkyl ~~radicals~~,

Z ~~representing~~ is a bond or ~~a linear or branched~~ alkylene ~~radical containing~~ of 1 to 5 carbon atoms,

R^5 and R^6 being ~~chosen~~ independently selected from the group consisting of ~~from a~~ hydrogen ~~atom~~, ~~an~~ alkyl, aralkyl ~~or~~ and $-(CH_2)_n$-OH ~~radical~~ in which n ~~represents~~ is an integer from 1 to 6,

or R^5 ~~representing an~~ is selected from the group consisting of alkoxycarbonyl, haloalkoxycarbonyl ~~or~~ and aralkoxycarbonyl ~~radical~~ and R^6 ~~representing a~~ is hydrogen ~~atom~~ or ~~a~~ methyl ~~radical~~,

or ~~also~~ R^5 and R^6 ~~forming~~ form together with the nitrogen atom a heterocycle with 4 to 7 ring members comprising 1 to 2 heteroatoms, the members necessary to complete the heterocycle being ~~chosen~~ independently selected from the group consisting of ~~from the~~ $-CR^{12}R^{13}$-, -O-, -S- and $-NR^{14}$- ~~radicals~~, R^{12} and R^{13} independently ~~representing~~ are each time that they occur ~~a~~ hydrogen ~~atom~~ or ~~an~~ alkyl ~~radical~~, and R^{14} ~~representing a~~ is selected from the group consisting of hydrogen, ~~atom or an~~ alkyl ~~or~~ and aralkyl ~~radical~~, or ~~also~~ R^{14} ~~representing a~~ is phenyl ~~radical~~ optionally substituted 1 to 3 times by substituents ~~chosen~~ independently selected from the group consisting of ~~from a~~ halogen, ~~atom~~ and ~~an~~ alkyl ~~or~~ and alkoxy ~~radical~~,

R^2 ~~representing a~~ is selected from the group consisting of hydrogen, ~~atom or an~~ alkyl, ~~or~~ and aralkyl ~~radical~~;

or ~~also~~ R^1 and R^2 ~~forming~~ form together with the nitrogen atom a heterocycle with 4 to 8 ring members comprising 1 to 2 heteroatoms, the members necessary to complete the heterocycle being ~~chosen~~ independently selected from the group consisting of ~~from the~~ $-CR^{15}R^{16}$-, -O-, -S- and $-NR^{17}$- ~~radicals~~, R^{15} and R^{16} independently ~~representing~~ are each time that they occur ~~a~~ hydrogen ~~atom~~ or ~~an~~ alkyl ~~radical~~, and R^{17} ~~representing a~~ is selected from the group consisting of hydrogen, ~~atom or an~~ alkyl ~~or~~ and aralkyl ~~radical~~; and

R^4 ~~represents an~~ is selected from the group consisting of alkyl, cycloalkyl, cycloalkylalkyl, cyano, amino, $-CH_2-COOR^{18}$, $-CH_2-CO-NR^{19}R^{20}$ ~~or~~ and $-CH_2-NR^{21}R^{22}$ ~~radical~~, or R^4 ~~represents~~ ~~a~~ is carbocyclic or heterocyclic aryl ~~radical~~ optionally substituted 1 to 4 times ~~by~~ substituents

~~chosen~~ independently selected from the group consisting of ~~from a~~ halogen, ~~atom and an~~ alkyl, haloalkyl, alkoxy, haloalkoxy ~~or~~ and -$NR^{37}R^{38}$ ~~radical~~, or ~~also~~ R^4 ~~represents a~~ is phenyl ~~radical~~ possessing two substituents which form together ~~a~~ methylenedioxy or ethylenedioxy ~~radical~~,

R^{18} ~~representing a~~ is hydrogen ~~atom~~ or ~~an~~ alkyl ~~radical~~,

R^{19} ~~representing a~~ is selected from the group consisting of hydrogen ~~atom~~, ~~an~~ alkyl ~~radical or an~~ aralkyl ~~radical~~, the aryl ~~group~~ of which is optionally substituted 1 to 3 times by substituents ~~chosen~~ independently ~~from the group constituted by a~~ selected from the group consisting of halogen, ~~atom~~, ~~an~~ alkyl ~~radical~~, ~~a~~ haloalkyl ~~radical~~, ~~an~~ alkoxy ~~radical~~, ~~a~~ haloalkoxy ~~radical~~, ~~a~~ hydroxy ~~radical~~, ~~a~~ nitro ~~radical~~, ~~a~~ cyano ~~radical~~, ~~the~~ phenyl ~~radical~~, ~~an~~ -SO_2NHR^{23} ~~radical~~ and ~~an~~ -$NR^{24}R^{25}$ ~~radical~~, R^{23} ~~representing a~~ is selected from the group consisting of hydrogen, ~~atom or an~~ alkyl ~~or~~ and phenyl ~~radical~~, and R^{24} and R^{25} independently ~~representing~~ are alkyl ~~radicals~~,

R^{20} ~~representing a~~ is hydrogen ~~atom~~ or ~~an~~ alkyl ~~radical~~,

or ~~also~~ R^{19} and R^{20} ~~forming~~ form together with the nitrogen atom a heterocycle with 4 to 7 ring members comprising 1 to 2 heteroatoms, the members necessary to complete the heterocycle being ~~chosen~~ independently selected from the group consisting of ~~from the~~ -$CR^{26}R^{27}$-, -O-, -S- and -NR^{28}- ~~radicals~~, R^{26} and R^{27} independently ~~representing~~ are each time that they occur ~~a~~ hydrogen ~~atom~~ or ~~an~~ alkyl ~~radical~~, and R^{28} ~~representing a~~ is selected from the group consisting of hydrogen, ~~atom or an~~ alkyl ~~or~~ and aralkyl ~~radical~~, or ~~also~~ R^{28} ~~representing a~~ is phenyl ~~radical~~ optionally substituted 1 to 3 times by substituents ~~chosen~~ independently from ~~a~~ halogen, ~~atom and an~~ alkyl or alkoxy ~~radical~~,

R^{21} ~~representing a~~ is selected from the group consisting of hydrogen ~~atom~~, ~~an~~ alkyl ~~radical or an~~ and aralkyl ~~radical~~, the aryl ~~group of which is~~ optionally substituted 1 to 3 times by substituents ~~chosen~~ independently ~~from the group constituted by a~~ selected from the group

consisting of halogen, ~~atom~~, ~~an~~ alkyl ~~radical~~, ~~a~~ haloalkyl ~~radical~~, ~~an~~ alkoxy ~~radical~~, ~~a~~ haloalkoxy ~~radical~~, ~~a~~ hydroxy ~~radical~~, ~~a~~ nitro ~~radical~~, ~~a~~ cyano ~~radical~~, ~~the~~ phenyl ~~radical~~, ~~an~~ $-SO_2NHR^{29}$ ~~radical~~ and ~~an~~ $-NR^{30}R^{31}$ ~~radical~~, R^{29} ~~representing a~~ is selected from the group consisting of hydrogen, ~~atom or an~~ alkyl ~~or~~ and phenyl ~~radical~~, and R^{30} and R^{31} independently ~~representing~~ are alkyl ~~radicals~~,

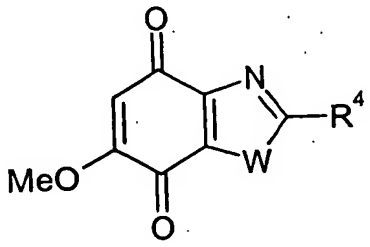
R^{22} ~~representing a~~ is hydrogen ~~atom~~ or ~~an~~ alkyl ~~radical~~,

or ~~also~~ R^{21} and R^{22} ~~forming~~ form together with the nitrogen atom a heterocycle with 4 to 7 ring members comprising 1 to 2 heteroatoms, the members necessary to complete the heterocycle being ~~chosen~~ independently selected from the group consisting of ~~from the~~ $-CR^{32}R^{33}-$, -O-, -S- and $-NR^{34}-$ ~~radicals~~, R^{32} and R^{33} independently ~~representing~~ are each time that they occur ~~a~~ hydrogen ~~atom~~ or ~~an~~ alkyl ~~radical~~, and R^{34} ~~representing a~~ is selected from the group consisting of hydrogen ~~atom~~, ~~an~~ alkyl ~~or~~ and aralkyl ~~radical~~, or ~~also~~ R^{34} ~~representing a~~ is phenyl ~~radical~~ optionally substituted 1 to 3 times by substituents ~~chosen~~ selected from the group consisting of independently ~~from a~~ halogen, ~~atom and an~~ alkyl ~~or~~ and alkoxy ~~radical~~,

R^{37} and R^{38} ~~being chosen~~ are independently ~~from a~~ hydrogen ~~atom and an~~ or alkyl ~~radical~~ or R^{37} and R^{38} ~~forming~~ form together with the nitrogen atom a heterocycle with 4 to 7 ring members comprising 1 to 2 heteroatoms, the members necessary to complete the heterocycle being ~~chosen~~ independently selected from the group consisting of ~~from the~~ $-CR^{39}R^{40}-$, -O-, -S- and $-NR^{41}-$ ~~radicals~~, R^{39} and R^{40} independently ~~representing~~ are each time that they occur ~~a~~ hydrogen ~~atom~~ or ~~an~~ alkyl ~~radical~~, and R^{41} ~~representing a~~ is hydrogen ~~atom~~ or ~~an~~ alkyl ~~radical~~; or ~~also~~ R^4 ~~represents a~~ is $-CH_2$-Ar ~~radical~~ in which Ar ~~represents an~~ is aryl ~~radical~~ optionally substituted 1 to 4 times ~~(and in particular 1 to 3 times)~~ by substituents ~~chosen~~ selected from the group consisting of ~~from a~~ halogen, ~~atom and an~~ alkyl, haloalkyl, alkoxy, haloalkoxy ~~or~~ and $-NR^{42}R^{43}$ ~~radical~~, or ~~also~~ R^4 ~~represents a~~ is biphenyl ~~radical~~,

R^{42} and R^{43} ~~forming~~ form together with the nitrogen atom a heterocycle with 4 to 7 ring members comprising 1 to 2 heteroatoms, the members necessary to complete the heterocycle being ~~chosen~~ independently selected from the group consisting of ~~from the~~ $-CR^{44}R^{45}-$, -O-, -S- and $-NR^{46}-$ ~~radicals~~, R^{44} and R^{45} independently ~~representing~~ are each time that they occur ~~a~~ hydrogen, ~~atom or an~~ alkyl ~~radical~~, and R^{46} ~~representing a~~ is hydrogen ~~atom~~ or ~~an~~ alkyl ~~radical~~;

said process ~~being characterized in that the~~ comprising reacting a compound of ~~general~~ the formula ~~(K)~~



(K)

~~in which~~ wherein W ~~represents a~~ is ~~sulphur atom~~ sulfur or ~~an~~ oxygen ~~atom~~ and R^4 has the same meaning as in ~~general~~ formula $(III)_3$ or $(III)_4$ ~~is reacted with~~ an amine of ~~general~~ the formula R^1R^2NH in a protic solvent.

Claim 4 (currently amended) The process ~~according to~~ of claim 3, ~~characterized in that the compound of general formula $(III)_3$ or $(III)_4$ is such that:~~ wherein

- R^1 ~~represents a~~ is $-(CH_2)-Z-NR^5R^6$ ~~radical~~;
- R^2 ~~represents a~~ is hydrogen ~~atom~~; and
- R^4 ~~represents an~~ is selected from the group consisting of alkyl, ~~radical or also a~~ phenyl, pyridyl, thienyl ~~or~~ and furanyl ~~radical~~ optionally substituted by 1 to 4 ~~(preferably 1 to~~

~~3)~~ halogen ~~atoms~~ or ~~by an~~ $NR^{37}R^{38}$ ~~radical~~ or ~~also~~ R^4 ~~represents a~~ is $-CH_2$-Ar ~~radical~~ in which Ar ~~represents a~~ is phenyl or naphthyl ~~radical~~ optionally substituted 1 to 4 times ~~(and preferably 1 to 3 times)~~ by substituents ~~chosen~~ independently selected from the group consisting of ~~from a~~ halogen, ~~atom and an~~ alkyl, haloalkyl, alkoxy ~~or~~ and haloalkoxy ~~radical~~.

Claim 5 (currently amended) A compound ~~corresponding to one of the general formulae $(III)_1$, $(III)_2$, $(III)_3$ and $(III)_4$ as defined in claims 1 and 3, characterized in that it is chosen from the following compounds~~ selected from the group consisting of:

- 2-(2,6-difluorophenyl)-5-{[2-(dimethylamino)ethyl]amino}-1,3-benzothiazole-4,7-dione;
- 2-(2,5-dichlorothien-3-yl)-5-{[2-(dimethylamino)ethyl]amino}-1,3-benzothiazole-4,7-dione;
- 2-(2,5-dichlorothien-3-yl)-5-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzothiazole-4,7-dione;
- 5-{[2-(dimethylamino)ethyl]amino}-2-(4-fluorophenyl)-1,3-benzothiazole-4,7-dione;
- 2-(4-fluorophenyl)-5-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzothiazole-4,7-dione;
- 2-(2-chloro-6-fluorophenyl)-5-{[2-(dimethylamino)ethyl]amino}-1,3-benzothiazole-4,7-dione;
- 2-(2-chloro-6-fluorophenyl)-5-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzothiazole-4,7-dione;
- 6-{[2-(dimethylamino)ethyl]amino}-2-(4-fluorophenyl)-1,3-benzothiazole-4,7-dione;
- 6-{[2-(dimethylamino)ethyl]amino}-2-(1-naphthyl)-1,3-benzothiazole-4,7-dione;
- 2-(1,1'-biphenyl-4-yl)-6-{[2-(dimethylamino)ethyl]amino}-1,3-benzothiazole-4,7-dione;
- 2-(4-butylphenyl)-6-{[2-(dimethylamino)ethyl]amino}-1,3-benzothiazole-4,7-dione;
- 2-(2-chloro-6-fluorophenyl)-6-{[2-(dimethylamino)ethyl]amino}-1,3-benzothiazole-4,7-dione;
- 6-{[2-(dimethylamino)ethyl]amino}-2-(2-naphthyl)-1,3-benzothiazole-4,7-dione;

- 2-(2,5-difluorophenyl)-6-{[2-(dimethylamino)ethyl]amino}-1,3-benzothiazole-4,7-dione;

- 2-(2,5-difluorophenyl)-5-{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;

- 2-(2-bromophenyl)-5-{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;

- 2-(3-bromophenyl)-5-{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;

- 5-{[2-(dimethylamino)ethyl]amino}-2-(4-fluorophenyl)-1,3-benzoxazole-4,7-dione;

- 2-(3,5-difluorophenyl)-5-{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;

- 2-(2,3-difluorophenyl)-5-{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;

- 5-{[2-(dimethylamino)ethyl]amino}-2-(3,4,5-trifluorophenyl)-1,3-benzoxazole-4,7-dione;

- 5-{[2-(dimethylamino)ethyl]amino}-2-(4-ethylphenyl)-1,3-benzoxazole-4,7-dione;

- 2-benzyl-5-{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;

- 2-(3-bromophenyl)-5-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;

- 2-(3,5-difluorophenyl)-5-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;

- 5-[(2-pyrrolidin-1-ylethyl)amino]-2-(3,4,5-trifluorophenyl)-1,3-benzoxazole-4,7-dione;

- 2-(2,5-difluorophenyl)-6-{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;

- 2-(2-bromophenyl)-6-{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;

- 2-(3-bromophenyl)-6-{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;

- 2-(3-chlorophenyl)-6-{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;

- 2-(4-bromophenyl)-6-{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;

- 2-(3,5-dibromophenyl)-6-{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;

- 6-{[2-(dimethylamino)ethyl]amino}-2-(4-fluorophenyl)-1,3-benzoxazole-4,7-dione;

- 2-(3,5-difluorophenyl)-6-{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;

- 2-(2,3-difluorophenyl)-6-{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;

- 6-{[2-(dimethylamino)ethyl]amino}-2-(3,4,5-trifluorophenyl)-1,3-benzoxazole-4,7-dione;

- 2-(4-bromo-3-methylphenyl)-6-{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;

- 6-{[2-(dimethylamino)ethyl]amino}-2-(4-ethylphenyl)-1,3-benzoxazole-4,7-dione;

- 2-(4-bromo-2-chlorophenyl)-6-{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;

- 6-{[2-(dimethylamino)ethyl]amino}-2-(3,4,5-trimethoxyphenyl)-1,3-benzoxazole-4,7-dione;

- 2-(3,4-dimethoxyphenyl)-6-{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;

- 2-(2,6-dichlorobenzyl)-6-{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;

- 2-(2-chloro-6-fluorobenzyl)-6-{[2-(dimethylamino)ethyl]amino}-1,3-benzoxazole-4,7-dione;

- 6-{[2-(dimethylamino)ethyl]amino}-2-(1-naphthylmethyl)-1,3-benzoxazole-4,7-dione;

- 2-(2-bromophenyl)-6-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;

- 2-(3-bromophenyl)-6-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;

- 2-(3-chlorophenyl)-6-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;

- 2-(4-bromophenyl)-6-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;

- 2-(3,5-dibromophenyl)-6-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;

- 2-(4-fluorophenyl)-6-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;

- 2-(3,5-difluorophenyl)-6-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;

- 6-[(2-pyrrolidin-1-ylethyl)amino]-2-(3,4,5-trifluorophenyl)-1,3-benzoxazole-4,7-dione;

- 2-(4-bromo-3-methylphenyl)-6-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;

- 2-(4-ethylphenyl)-6-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;

- 2-(4-bromo-2-chlorophenyl)-6-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;

- 6-[(2-pyrrolidin-1-ylethyl)amino]-2-(3,4,5-trimethoxyphenyl)-1,3-benzoxazole-4,7-dione;

- 2-(3,4-dimethoxyphenyl)-6-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;

- 2-(2-chloro-6-fluorobenzyl)-6-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;

- 2-(1,3-benzodioxol-5-yl)-6-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzoxazole-4,7-dione;

- 6-{[2-(dimethylamino)ethyl]amino}-2-hexyl-1,3-benzothiazole-4,7-dione;

~~or~~ and a pharmaceutical salt ~~of one of the latter~~ thereof.

Claim 6 (currently amended) A compound ~~according to~~ of claim 5, ~~characterized in that it is chosen from the following compounds~~ selected from the group consisting of:

- 2-(2-chloro-6-fluorophenyl)-5-{[2-(dimethylamino)ethyl]amino}-1,3-benzothiazole-4,7-dione;

- 6-{[2-(dimethylamino)ethyl]amino}-2-(2-naphthyl)-1,3-benzothiazole-4,7-dione;

- 6-{[2-(dimethylamino)ethyl]amino}-2-(4-ethylphenyl)-1,3-benzoxazole-4,7-dione;

~~or~~ and a pharmaceutical salt ~~of one of these compounds~~ thereof.

Claim 7 (currently amended) A compound ~~of general formula (III), as defined to claim 1, characterized in that it is chosen from the following compounds~~ selected from the group consisting of:

- 2-(2,6-difluorophenyl)-5-{[2-(dimethylamino)ethyl]amino}-1,3-benzothiazole-4,7-dione;

- 2-(2,5-dichlorothien-3-yl)-5-{[2-(dimethylamino)ethyl]amino}-1,3-benzothiazole-4,7-dione;

- 2-(2,5-dichlorothien-3-yl)-5-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzothiazole-4,7-dione;

- 5-{[2-(dimethylamino)ethyl]amino}-2-(4-fluorophenyl)-1,3-benzothiazole-4,7-dione;

- 2-(4-fluorophenyl)-5-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzothiazole-4,7-dione;

- 2-(2-chloro-6-fluorophenyl)-5-{[2-(dimethylamino)ethyl]amino}-1,3-benzothiazole-4,7-dione;

- 2-(2-chloro-6-fluorophenyl)-5-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzothiazole-4,7-dione;

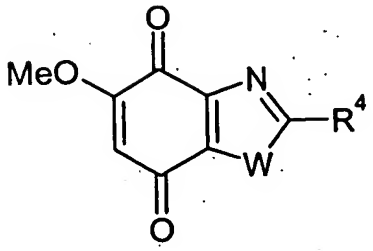
~~or~~ and a pharmaceutical salt ~~of one of the latter~~ thereof.

Cancel **Claims 8** to **12** and add the following claims:

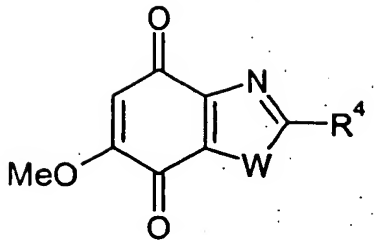
Claim 13 (new) A composition for the treatment of cancer comprising an effective amount of a compound of claim 5 sufficient to treat cancer and an inert pharmaceutical carrier.

Claim 14 (new) A method of treating a cancer selected from the group consisting of breast cancer, lymphomas, cancers of the neck and head, lung cancer, cancer of the colon, prostate cancer and cancer of the pancreas in warm-blooded animals comprising administering to warm-blooded animals in need thereof an amount of a compound of claim 5 sufficient to treat the cancer.

Claim 15 (new) A compound of the formulae



(A)



(K)

wherein W is oxygen or sulfur and R^4 is defined in claim 1 with the proviso that if W in formula A is sulfur, R^4 is not methyl and if W in formula K is sulfur, R^4 is not phenyl and a pharmaceutical thereof.